

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	780	(318/568.12).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/03/12 12:51
S6	75	S1 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 13:06
S7	19	S1 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( abnormal\$4 fault\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 17:29
S8	13	S1 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4) and (external\$4 near4 (memory stor\$4 rom eprom))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 13:06
S9	13	S1 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4) and ((outside external\$4 ) near4 (memory stor\$4 rom eprom))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 13:30
S10	9	S1 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4) and ((outside external\$4 ) near4 (memory stor\$4 rom eprom)) and (floor )	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 13:35

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S11	4	S1 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4) and ((outside external\$4 ) near4 (memory stor\$4 rom eprom)) and (temperature thermister heat)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 13:40
S12	4	S1 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4) and ((outside external\$4 ) near4 (memory stor\$4 rom eprom)) and (temperature thermister heat) and battery	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 13:43
S13	6	S1 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4) and ((outside external\$4 ) near4 (memory stor\$4 rom eprom)) and (voice)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 13:45
S14	3353	(318/568.12-568.25).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/03/12 17:16
S15	7	S14 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4) and ((outside external\$4 ) near4 (memory stor\$4 rom eprom)) and voice and battery and (current voltage power energy)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 17:16
S16	7	S14 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4) and ((outside external\$4 ) near4 (memory stor\$4 rom eprom)) and voice	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 13:46

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S17	5	"901"/\$ and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4) and ((outside external\$4 ) near4 (memory stor\$4 rom eprom)) and voice and battery and (current voltage power energy)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 13:48
S18	7	"901"/\$ and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4) and ((outside external\$4 ) near4 (memory stor\$4 rom eprom)) and voice	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 13:48
S19	3353	(318/568.12-568.25).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/03/12 17:18
S20	17	S19 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 (error abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and (error abnormal\$4 fault\$4) and ((error abnormal\$4 fault\$4) near4 (transmit\$4 transmis\$4 communicat\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/12 17:19
S21	13	((("6330494") or ("6567724") or ("6301524") or ("6542788") or ("4608651") or ("7047105") or ("6381515"))).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/09 12:54
S22	786	(318/568.12).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/04/09 17:30
S23	95	S22 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( error fail\$4 abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 17:34

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S24	13	S22 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( error fail\$4 abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4) and ((external\$4 outside ) near4 memory)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 17:36
S25	13	S22 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4) and ((external\$4 outside ) near4 memory)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 17:56
S26	2725	(318/568.11-568.14).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/09 17:59
S27	4	318/568.12 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near4 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:01
S28	5	S26 and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near4 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:02

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S29	122	"700"/\$ and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near4 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:21
S30	10	"700"/\$ and ((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near4 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4)) and robot	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:26
S31	95	((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near4 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4)) and robot	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:32
S32	8	("6381515").URPN.	USPAT	OR	ON	2007/04/09 18:31
S33	4	S31 and "901"/\$	USPAT	OR	ON	2007/04/09 18:32

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S34	11	((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near4 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4)) and (robot same mobil\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:36
S35	11	((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4 fall\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near4 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4)) and (robot same mobil\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:38
S36	97	((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4 fall\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near4 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4)) and (robot )	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:44

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S37	174	((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4 fall\$4) and ((external\$4 outside ) near4 (stor\$4 memory)) and ((memory stor\$4) near4 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4)) and (robot )	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:42
S38	199	((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4 fall\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near9 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4)) and (robot )	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:45
S39	35	((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4 fall\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near9 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4)) and (robot near4 (mov\$4 mobile movable motion\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:48

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S40	21	((determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4 fall\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near9 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4)) and (robot ).ab.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:47
S41	36	((determin\$4 estimat\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( estimat\$4 malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4 fall\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near9 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4)) and (robot near4 (mov\$4 mobile moveable motion\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/09 18:52
S42	36	((determin\$4 estimat\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) near4 ( estimat\$4 malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (tim\$4 period) and memory and (determin\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4 fall\$4) and ((external\$4 outside ) near4 memory) and ((memory stor\$4) near9 ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4)) and (robot near4 (mov\$4 mobile moveable motion\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/11 13:29



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S43	36	((determin\$4 estimat\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4 measur\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (tim\$4 period) and memory and (determin\$4 estimat\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4 measur\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4 fall\$4) and ((external\$4 outside outer ) near4 memory) and ((memory stor\$4) near9 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (robot near4 (mov\$4 mobile moveable motion\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/11 14:52
S44	36	((determin\$4 estimat\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4 measur\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (tim\$4 period) and memory and (determin\$4 estimat\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4 measur\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4 fall\$4) and ((external\$4 outside outer ) near4 memory) and ((memory stor\$4) near9 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (robot near4 (mov\$4 mobile moveable motion\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/11 15:33
S45	216542	((determin\$4 estimat\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4 measur\$4) near4 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (tim\$4 period) and memory and (determin\$4 estimat\$4 sens\$4 detect\$4 monitor\$4 diagnos\$4 measur\$4) and ( error fail\$4 abnormal\$4 fault\$4 malfunction\$4 fall\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/11 13:58
S46	70	((external\$4 outside outer ) near4 memory) and ((memory stor\$4) near9 ( malfunction\$4 error fail\$4 abnormal\$4 fault\$4 fall\$4)) and (robot near4 (mov\$4 mobile moveable motion\$4))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/11 14:57

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S47	167	robot\$4 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 abnormal\$4) and memory and ((external outer outside) near4 memory) and ((memory stor\$4) near4 (error\$2 malfunction\$4 fail\$4 fall\$4 abnormal\$4)) and (tim\$4 period) and ((sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4) near4 (error\$2 malfunction\$4 fail\$4 fall\$4 abnormal\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 20:58
S48	859	robot\$4 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4) and memory and ((memory stor\$4) near4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (tim\$4 period) and ((tim\$4 period) near4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 00:07
S49	190	S48 and ((external\$4 outside outer) near9 (memory rom))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:42
S50	1057	robot\$4 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4) and memory and ((memory stor\$4) near4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (tim\$4 period) and ((tim\$4 period) near9 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 21:12
S51	927	S50 and ((sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) near4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 21:13
S52	765	S48 and ((sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) near4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 21:31

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S53	76	S52 and (robot\$4.ab. robot\$4.clm.) not S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 21:16
S54	6	("6463356"   "6567724"   "6711469"   "6732015"   "6832131"   "6959231").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 21:17
S55	12	("20040025000"   "20040208372"   "20040221143"   "4850027"   "5809322"   "5842033"   "6330665"   "6330666"   "6456737"   "6603865"   "6701524"   "6892296").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 21:23
S56	0	("7050884").URPN.	USPAT	OR	ON	2007/04/11 21:25
S57	2	"7050884"	USPAT	OR	ON	2007/04/11 21:25
S58	3	"7050884"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 21:30
S59	3	"6377013"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 21:30
S60	5	("4990839"   "5214749"   "5428713"   "5692186"   "5978593").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 21:30
S61	1	("6377013").URPN.	USPAT	OR	ON	2007/04/11 21:30
S62	689	S52 not S53	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 21:35
S63	2	"2002144260"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 21:35
S64	0	("7023164").URPN.	USPAT	OR	ON	2007/04/11 21:44
S65	12	("4714865"   "4807153"   "4864206"   "4874997"   "4902944"   "4925312"   "5086491"   "5144211"   "6438454"   "6463356"   "6762745"   "6832131").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/11 21:44
S66	689	S52 not S53	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 21:54

## EAST Search History

S67	19	(US-20020116091-\$).did. or (US-6064167-\$ or US-6301524-\$ or US-5936367-\$ or US-5021970-\$ or US-6567724-\$ or US-7047105-\$ or US-6381515-\$ or US-6542788-\$ or US-4608651-\$ or US-6330494-\$ or US-6889117-\$ or US-4779203-\$ or US-4789940-\$ or US-4882694-\$ or US-6711469-\$ or US-7050884-\$ or US-6438454-\$).did. or (US-6377013-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/04/11 22:28
S68	9	S67 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4) and memory and ((memory stor\$4) near4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (tim\$4 period)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:29
S69	9	S67 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities) and memory and ((memory stor\$4) near4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities)) and (tim\$4 period)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:31
S70	13	S67 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities) and memory and ((memory stor\$4) near9 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities)) and (tim\$4 period)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:31
S71	19	S67 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities) and memory	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:31

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S72	9	S67 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities) and memory and ((memory stor\$4 rom ) near\$4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities)) and (tim\$4 period)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:31
S73	19	S67 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities) and memory and (tim\$4 period)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:32
S74	14	S67 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities) and memory and (tim\$4 period) and ((error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities) same (stor\$4 rom memory))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:34
S75	14	S67 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities) and memory and (tim\$4 period) and ((error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities) same (stor\$4 rom memory disk))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:35
S76	14	S67 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities) and (stor\$4 memory) and (tim\$4 period) and ((error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 abnormalities) same (stor\$4 rom memory disk))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:35
S77	325	S48 and ((external\$4 outside outer) near\$9 (memory rom stor\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:43

## EAST Search History

S78	242	S48 and ((external\$4 outside outer) near\$4 (memory rom stor\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:43
S79	77	S78 not S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/11 22:43
S80	375	robot\$4 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4) and ((stor\$4 memory) near\$4 (external\$4 removabl\$4 card)) and ((memory stor\$4) near\$4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (tim\$4 period) and ((tim\$4 period) near\$4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 00:10
S81	859	robot\$4 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4) and memory and ((memory stor\$4) near\$4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (tim\$4 period) and ((tim\$4 period) near\$4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 00:16
S82	190	S81 and ((external\$4 outside outer) near\$9 (memory rom))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 00:10
S83	765	S81 and ((sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) near\$4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 00:10
S84	76	S83 and (robot\$4.ab. robot\$4.clm.) not S82	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 00:10
S85	689	S83 not S84	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 00:10

## EAST Search History

S86	66	S80 not S85	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 00:10
S87	883	robot\$4 and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4) and memory and ((memory stor\$4) near4 (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble)) and (tim\$4 period) and ((tim\$4 period) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 01:01
S88	817	robot\$4 and ((memory storage rom eprom) near4 (removabl\$4 outside outer external\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 01:03
S89	151	(robot\$4.clm. robot\$4.ab.) and ((memory storage rom eprom) near4 (removabl\$4 outside outer external\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 01:05
S90	56	(robot\$4 near4 (mobil\$4 moveable)) and ((memory storage rom eprom) near4 (removabl\$4 outside outer external\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 01:14

## EAST Search History

S91	186	(robot\$4 near4 (mobil\$4 mov\$4 moveable)) and ((memory storage rom eprom) near4 (removabl\$4 outside outer external\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 01:06
S92	70	(robot\$4 near4 (mobil\$4 mov\$4 moveable)) and ((memory storage rom eprom) near4 (removabl\$4 outside outer external\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and ((memory stor\$4 rom) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 01:12
S93	70	(robot\$4 near4 (mobil\$4 mov\$4 moveable)) and ((memory storage rom eprom) near4 (removabl\$4 outside outer external\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and ((memory stor\$4 rom eprom) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (memory stor\$4 rom eprom)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 01:13



## EAST Search History

S94	56	(robot\$4 near\$4 (mobil\$4 moveable)) and ((memory storage rom eprom) near\$4 (removabl\$4 outside outer external\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near\$4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (memory storage rom eprom)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 07:50
S95	6	("6542788").URPN.	USPAT	OR	ON	2007/04/12 07:45
S96	6	("4783799"   "5525882"   "5715397"   "5920337"   "5949978"   "6330494").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 07:49
S97	1264	(robot\$4 ) and ((memory storage stor\$4 rom eprom) near\$4 (removabl\$4 remov\$4 outside outer external\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near\$4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (memory storage stor\$4 rom eprom)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 07:52
S98	3247	(robot\$4 ) and ((memory storage stor\$4 rom eprom) near\$4 (removabl\$4 remov\$4 outside outer external\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) same (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (memory storage stor\$4 rom eprom)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 07:51

## EAST Search History

S99	465	(robot\$4 near4 (motion\$4 toy automat\$4 mov\$4 mobil\$4 movabl\$4 auto\$4 autonomous\$4 motion\$4 )) and ((memory storage stor\$4 rom eprom) near4 (removabl\$4 remov\$4 outside outer external\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (memory storage stor\$4 rom eprom)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 08:24
S100	470	(robot\$4 near4 (motion\$4 toy automat\$4 mov\$4 mobil\$4 movabl\$4 auto\$4 autonomous\$4 motion\$4 )) and ((memory storage stor\$4 rom eprom) near4 (removabl\$4 remov\$4 outside outer external\$4 exterior\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (memory storage stor\$4 rom eprom)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 08:52
S101	5	S100 not S99	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 08:35
S102	0	("6965210").URPN.	USPAT	OR	ON	2007/04/12 08:38
S110	4	("4175727"   "5086491"   "5709350"   "5796229").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 08:50
S111	0	("6956345").URPN.	USPAT	OR	ON	2007/04/12 08:43
S112	2	("6684130").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/04/12 08:50
S113	8	("6901313").URPN.	USPAT	OR	ON	2007/04/12 08:51

## EAST Search History

S11 4	335	(robot\$4 near4 (motion\$4 toy automat\$4 mov\$4 mobil\$4 movabl\$4 auto\$4 autonomous\$4 motion\$4 )) and ((memory storage stor\$4 rom eprom) near4 (removabl\$4 remov\$4 outside outer external\$4 exterior\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (memory storage stor\$4 rom eprom) and ((error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) same (memory stor\$4 storage rom eprom))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 10:46
S11 5	13	("6064167").URPN.	USPAT	OR	ON	2007/04/12 10:27
S11 6	7	("5221883"   "5357433"   "5459659"   "5513106"   "5739655"   "5808433"   "5842533").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:34
S11 7	135	S99 not S114	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/12 10:34
S11 8	0	("2003/0182117").URPN.	USPAT	OR	ON	2007/04/12 10:42
S11 9	335	(robot\$4 near4 (motion\$4 toy pet automat\$4 mov\$4 mobil\$4 movabl\$4 auto\$4 autonomous\$4 motion\$4 )) and ((memory storage stor\$4 rom eprom) near4 (removabl\$4 remov\$4 outside outer external\$4 exterior\$4)) and (sens\$4 detect\$4 monitor\$4 measur\$4 estimat\$4 determin\$4 diagnos\$4 indicat\$4) and (error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) and ((tim\$4 period) near4 (trouble error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4)) and (memory storage stor\$4 rom eprom) and ((error\$2 malfunction\$4 fail\$4 fall\$4 fault\$4 abnormal\$4 trouble) same (memory stor\$4 storage rom eprom))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/12 10:46

## EAST Search History

S12 0	25	(US-20020116091-\$ or US-20030144763-\$ or US-20030182117-\$ or US-20020162046-\$ or US-20020120361-\$).did. or (US-6542788-\$ or US-6330494-\$ or US-6567724-\$ or US-5021970-\$ or US-5936367-\$ or US-6301524-\$ or US-6381515-\$ or US-7050884-\$ or US-4882694-\$ or US-4789940-\$ or US-4779203-\$ or US-6711469-\$ or US-6438454-\$ or US-7047105-\$ or US-4608651-\$ or US-6064167-\$ or US-6889117-\$ or US-6684130-\$ or US-6556892-\$).did. or (US-6377013-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/04/13 13:03
S12 1	9	S120 and temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/13 13:43
S12 2	9	S120 and temperature and current	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/13 14:27
S12 3	6	S120 and temperature and current and voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/13 21:02
S12 4	6	S120 and temperature and current and voltage and battery	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/13 14:28
S12 5	25	(US-20020116091-\$ or US-20030144763-\$ or US-20030182117-\$ or US-20020162046-\$ or US-20020120361-\$).did. or (US-6542788-\$ or US-6330494-\$ or US-6567724-\$ or US-5021970-\$ or US-5936367-\$ or US-6301524-\$ or US-6381515-\$ or US-7050884-\$ or US-4882694-\$ or US-4789940-\$ or US-4779203-\$ or US-6711469-\$ or US-6438454-\$ or US-7047105-\$ or US-4608651-\$ or US-6064167-\$ or US-6889117-\$ or US-6684130-\$ or US-6556892-\$).did. or (US-6377013-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/04/13 21:02
S12 6	7	S125 and voice	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/13 21:22

## EAST Search History

S12 7	371	robot and (communication near4 (error abnormal\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/13 22:35
S12 8	296	robot and (communication near4 (error abnormal\$4)) and (user operator)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/13 22:36
S12 9	82	((mobil\$4 mov\$4) near4 robot) and (communication near4 (error abnormal\$4)) and (user operator)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/13 22:37
S13 0	52	((mobil\$4 mov\$4) near4 robot) and (communication near4 (error abnormal\$4)) and (user operator) and ((robot.ab. robot.clm.))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/13 22:49
S13 1	72	((mobil\$4 mov\$4) near4 robot) and (communication near4 (fail\$4 error abnormal\$4)) and (user operator) and ((robot.ab. robot.clm.))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/13 22:51
S13 2	20	S131 not S130	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/04/13 22:51
S13 3	28	(US-20020116091-\$ or US-20020162046-\$ or US-20030144763-\$ or US-20030182117-\$ or US-20020120361-\$).did. or (US-6301524-\$ or US-5936367-\$ or US-6542788-\$ or US-6330494-\$ or US-6567724-\$ or US-5021970-\$ or US-6381515-\$ or US-7050884-\$ or US-4882694-\$ or US-4789940-\$ or US-4779203-\$ or US-6711469-\$ or US-6438454-\$ or US-7047105-\$ or US-6556892-\$ or US-6684130-\$ or US-6147469-\$ or US-5396160-\$ or US-4890241-\$ or US-6064167-\$ or US-4608651-\$ or US-6889117-\$). did. or (US-6377013-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/07 07:08
S13 4	8	S133 and (inclin\$4 inclination)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:11
S13 5	4	S133 and (inclin\$4 inclination) and ((inclin\$4 inclination) same (abnormal\$4 fail\$4 fault\$4 error\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:15

## EAST Search History

S13 7	12	S133 and (inclin\$4 inclination angle angular) and ((inclin\$4 inclination angle angular) same (abnormal\$4 fail\$4 fault\$4 error\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:17
S13 8	8	S137 not S135	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:16
S13 9	12	S133 and (inclin\$4 inclination angle angular posture) and ((inclin\$4 inclination angle angular posture) same (abnormal\$4 fail\$4 fault\$4 error\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:19
S14 0	818	robot and (inclin\$4 inclination angle angular posture) and ((inclin\$4 inclination angle angular posture) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular posture))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:20
S14 1	140	robot and (inclin\$4 inclination angle angular posture) and ((inclin\$4 inclination angle angular posture) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular posture)) and leg and joint\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:24
S14 2	51	robot and (inclin\$4 inclination angle angular posture) and ((inclin\$4 inclination angle angular posture) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular posture)) and leg and joint\$4 and "318"/\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:21
S14 3	110	robot and (inclin\$4 inclination angle angular ) and ((inclin\$4 inclination angle angular ) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) and leg and joint\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:24

## EAST Search History

S14 4	36	robot and (inclin\$4 inclination angle angular ) and ((inclin\$4 inclination angle angular ) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) and leg and joint\$4 and "318"/\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:26
S14 5	30	robot and (inclin\$4 inclination angle angular ) and ((inclin\$4 inclination angle angular ) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) and leg and joint\$4 and "318"/\$ and (((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) same (abnormal\$4 fail\$4 fault\$4 error\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:29
S14 6	21	robot and (inclin\$4 inclination angle angular ) and ((inclin\$4 inclination angle angular ) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) and leg and joint\$4 and "318"/\$ and (((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) near4 (abnormal\$4 fail\$4 fault\$4 error\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:52
S14 7	13	robot and (inclin\$4 inclination angle angular ) and ((inclin\$4 inclination angle angular ) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) and leg and joint\$4 and "318"/\$ and (((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ( (abnormal\$4 fail\$4 fault\$4 error\$4) adj3 (sens\$4 detect\$4 monitor\$4 measur\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:55

## EAST Search History

S148	51	robot and (inclin\$4 inclination angle angular ) and ((inclin\$4 inclination angle angular ) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) and leg and (((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ( (abnormal\$4 fail\$4 fault\$4 error\$4) adj3 (sens\$4 detect\$4 monitor\$4 measur\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 07:57
S149	35	robot and (inclin\$4 inclination angle angular ) and ((inclin\$4 inclination angle angular ) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) and leg and joint and (((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ( (abnormal\$4 fail\$4 fault\$4 error\$4) adj3 (sens\$4 detect\$4 monitor\$4 measur\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 08:05
S150	22	S149 not S146	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 08:01
S153	1	"20060214621" and inclination and angle and sensor and detector and abnormal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 08:08
S154	35	robot and (inclin\$4 inclination angle angular ) and ((inclin\$4 inclination angle angular ) near4 (abnormal\$4 fail\$4 fault\$4 error\$4 malfunction\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) and leg and joint and (((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ( (abnormal\$4 fail\$4 fault\$4 error\$4 malfunction\$4) adj3 (sens\$4 detect\$4 monitor\$4 measur\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 08:07



## EAST Search History

S15 6	33	robot and (inclin\$4 inclination angle angular ) and ((inclin\$4 inclination angle angular ) near4 (abnormal\$4 fail\$4 fault\$4 error\$4 malfunction\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) and leg and joint and (((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) near4 (abnormal\$4 fail\$4 fault\$4 error\$4)) and ( (sens\$4 detect\$4 monitor\$4 measur\$4) adj3 (abnormal\$4 fail\$4 fault\$4 error\$4 malfunction\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 08:09
S15 8	10	S156 not (S154 S149)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 08:10
S15 9	52	robot and (inclin\$4 inclination angle angular ) and ((inclin\$4 inclination angle angular ) near4 (abnormal\$4 fail\$4 fault\$4 error\$4 malfunction\$4)) and ((sens\$4 detect\$4 monitor\$4 measur\$4) near4 (inclin\$4 inclination angle angular )) and leg and joint and ( (sensor detector monitor measur\$4) near4 (abnormal\$4 fail\$4 fault\$4 error\$4 malfunction\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 08:10
S16 0	24	S159 not (S156 S154 S149)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 08:11
S16 1	28	S133 and (tim\$4 period)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 08:23
S16 2	28	S133 and (tim\$4 )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/07 08:22